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NEWS 1   . Web Page for STN Seminar Schedule - N. America
NEWS 2   AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 3   AUG 06 FSTA enhanced with new thesaurus edition
NEWS 4   AUG 13 CA/CAplus enhanced with additional kind codes for granted
                  patents
NEWS 5   AUG 20 CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 6   AUG 27 Full-text patent databases enhanced with predefined
                  patent family display formats from INPADOCDB
NEWS 7   AUG 27 USPATOLD now available on STN
NEWS 8   AUG 28 CAS REGISTRY enhanced with additional experimental
                  spectral property data
NEWS 9   SEP 07 STN AnaVist, Version 2.0, now available with Derwent
                  World Patents Index
NEWS 10   SEP 13 FORIS renamed to SOFIS
NEWS 11   SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 12   SEP 17 CA/CAplus enhanced with printed CA page images from
                  1967-1998
NEWS 13   SEP 17 CAplus coverage extended to include traditional medicine
                  patents
NEWS 14   SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15   OCT 02 CA/CAplus enhanced with pre-1907 records from Chemisches
                  Zentralblatt
NEWS 16   OCT 19 BEILSTEIN updated with new compounds
NEWS 17   NOV 15 Derwent Indian patent publication number format enhanced
NEWS 18   NOV 19 WPIX enhanced with XML display format
NEWS 19   NOV 30 ICSD reloaded with enhancements
NEWS 20   DEC 04 LINPADOCDB now available on STN
NEWS 21   DEC 14 BEILSTEIN pricing structure to change
NEWS 22   DEC 17 USPATOLD added to additional database clusters
NEWS 23   DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24   DEC 17 DGENE now includes more than 10 million sequences
NEWS 25   DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in
                  MEDLINE segment
NEWS 26   DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27   DEC 17 CA/CAplus enhanced with new custom IPC display formats
NEWS 28   DEC 17 STN Viewer enhanced with full-text patent content
                  from USPATOLD
NEWS 29   JAN 02 STN pricing information for 2008 now available

NEWS EXPRESS   19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS   STN Operating Hours Plus Help Desk Availability

```
NEWS LOGIN     Welcome Banner and News Items
NEWS IPC8      For general information regarding STN implementation of IPC 8
```

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:09:11 ON 05 JAN 2008

```
=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                ENTRY        SESSION
FULL ESTIMATED COST                             0.21          0.21
```

FILE 'REGISTRY' ENTERED AT 15:09:26 ON 05 JAN 2008
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

```
STRUCTURE FILE UPDATES:    4 JAN 2008  HIGHEST RN 960040-46-4
DICTIONARY FILE UPDATES:   4 JAN 2008  HIGHEST RN 960040-46-4
```

New CAS Information Use Policies, enter HELP USAGETERMS for details.

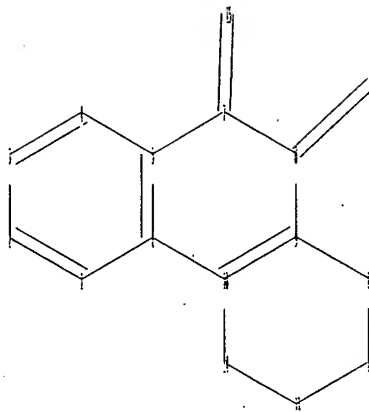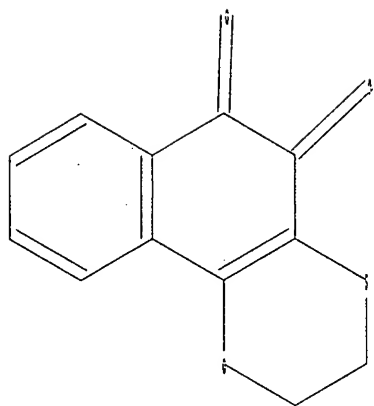TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10810260\Struc 1.str

```
chain nodes :
15  16
ring nodes :
1   2   3   4   5   6   7   8   9   10   11   12   13   14
chain bonds :
7-15   8-16
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-10   7-8   8-9   9-10   9-11   10-14   11-12   12-13
13-14
exact/norm bonds :
5-7   6-10   7-8   7-15   8-9   8-16   9-10   9-11   10-14   11-12   12-13   13-14
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6
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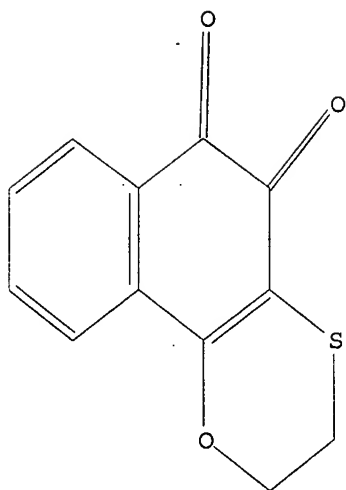
```
Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
11:Atom   12:Atom   13:Atom   14:Atom   15:CLASS   16:CLASS
```

```
L1          STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1                STR
```

Structure attributes must be viewed using STN Express query preparation.

```
=> l1
SAMPLE SEARCH INITIATED 15:09:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      63 TO ITERATE

100.0% PROCESSED      63 ITERATIONS                        19 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:         784 TO      1736
PROJECTED ANSWERS:            119 TO       641

L2          19 SEA SSS SAM L1

=> l1 full
FULL SEARCH INITIATED 15:10:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     1320 TO ITERATE

100.0% PROCESSED    1320 ITERATIONS                        268 ANSWERS
SEARCH TIME: 00.00.01

L3         268 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                    SINCE FILE       TOTAL
                                          ENTRY        SESSION
FULL ESTIMATED COST                      178.36       178.57
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FILE 'CAPLUS' ENTERED AT 15:10:03 ON 05 JAN 2008
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FILE COVERS 1907 - 5 Jan 2008   VOL 148 ISS 2
FILE LAST UPDATED: 4 Jan 2008   (20080104/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> l3
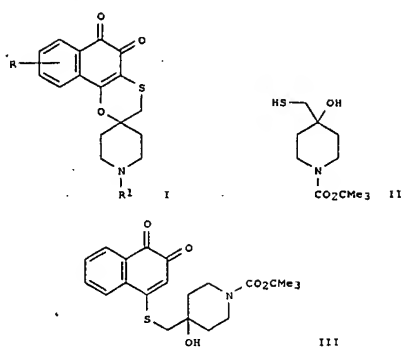L4   1 L3

=> d ibib abs

L4   ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:1395331 CAPLUS
DOCUMENT NUMBER: 148:33543
TITLE: Novel lapachone compounds and methods of use thereof
INVENTOR(S):   Ashwell, Mark; Tandon, Manish; Lapierre, Jean-Marc;
                         Ali, Syed; Vensel, David; Li, Chiang J.
PATENT ASSIGNEE(S):   Arqule, Inc., USA
SOURCE: PCT Int. Appl., 203pp.
                         CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

```
     PATENT NO.          KIND   DATE       APPLICATION NO.         DATE
     --------------      ----   --------   ---------------------   --------
     WO 2007139569       A1     20071206   WO 2006-US32660         20060821
        W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
            GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
            KR, KZ, LA, LC, LK, LP, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
            MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,
            RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,
            UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
        RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
            IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
            CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
            GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
            KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                      US 2006-808861P      P 20060526
```

GI

L4   ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN   (Continued)

AB   Novel tricyclic spiro-oxathiine naphthoquinone derivs., such as I [R = H,
     OMe, substituted or unsubstituted Ph, halogen, etc.; R1 = acyl, alkyl,
     carboxy, carbocyclic, aryl, heteroaryl, etc.], were prepared and are
     therapeuticall useful in inducing cell death and/or to inhibiting
     proliferation of cancer or precancerous cells were. These naphthoquinone
     derivs. are analogs of β-lapachone, a naphthoquinone derived from
     lapachol isolated from Tabebuia avellanedae. These naphthoquinone
     derivs.
     are analogs of β-lapachone, and may be use in combination with a
     second chemotherapeutic agent, such as tamoxifen, raloxifene,
     anastrozole,
     exemestane, letrozole, cisplatin, carboplatin, paclitaxel,
     cyclophosphamide, lovastatin, minosine, gemcitabine, araC,
     5-fluorouracil,
     methotrexate, docetaxel, goserelin, vincristin, vinblastin, nocodazole,
     teniposide, etoposide, epothilone, navelbine, camptothecin, daunorubicin,
     dactinomycin, mitoxantrone, amsacrine, doxorubicin, epirubicin,
     idarubicin
     imatinib, gefitinib, erlotinib, sorafenib, sunitinib malate, trastuzumab,
     rituximab, cetuximab, and bevacizumab. Thus, naphthoquinone derivative
     I [R =
     H, R1 = 2-furanylcarbonyl) was prepared via a reaction of
     4-chloro-1,2-naphthalenedione with piperidine derivative II using K2CO2
     in
     MeCN, an intramol. spirocyclization/N-deprotection reaction of the
     resulting alc. III using TFA and NaIO3 in CH2Cl2, and finally,
     N-acylation

L4   ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN   (Continued)
     of the resulting spirocyclic piperidine I (R = R1 = H) with
     2-furancarbonyl chloride using Et3N in CH2Cl2. The prepd. naphthoquinone
     derivs. were assayed for antiproliferative activity against a no. of
     cancer cell lines, such as DLD-1 and HT-29 human colon carcinoma.
REFERENCE COUNT: 2   THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

```
=> log y
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.87	182.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.80	-0.80

STN INTERNATIONAL LOGOFF AT 15:11:20 ON 05 JAN 2008

10810260.trn